

FIG. 1(A)

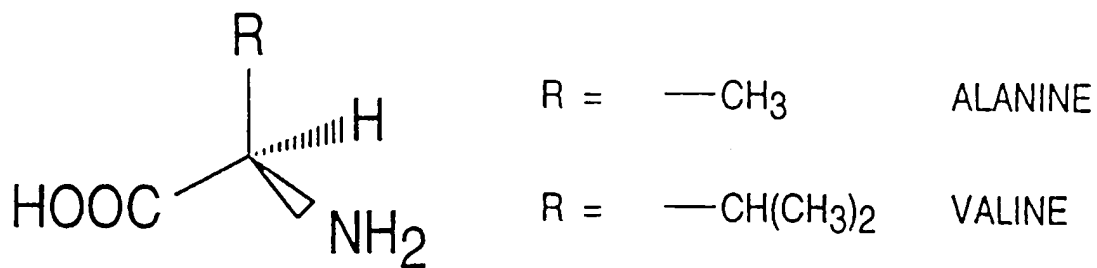
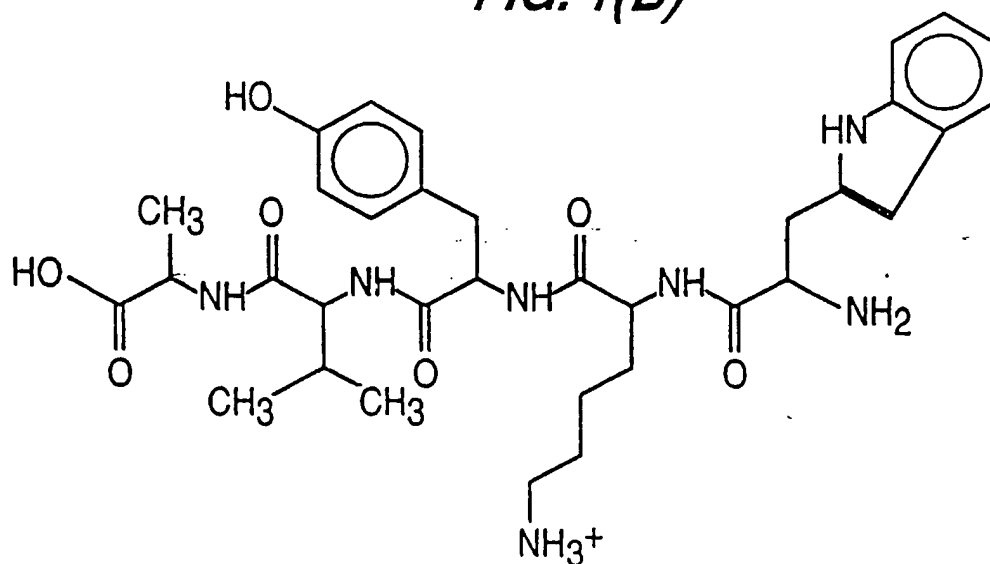


FIG. 1(B)



$\text{OOC} - \text{ALANINE} - \text{VALINE} - \text{TYROSINE} - \text{LYSINE} - \text{TRYPTOPHAN} - \text{NH}_3^+$

FIG. 2

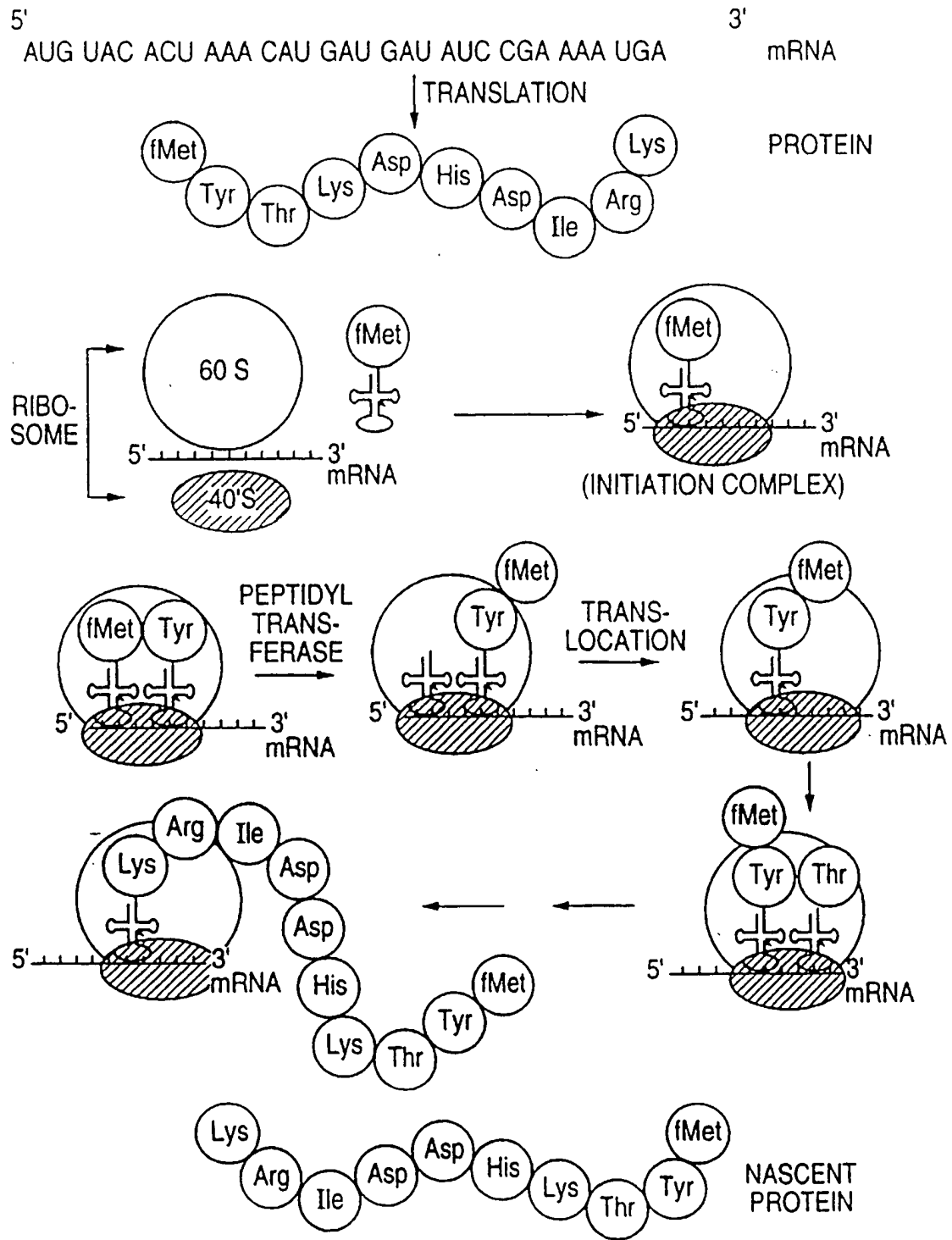


FIG. 3(A)

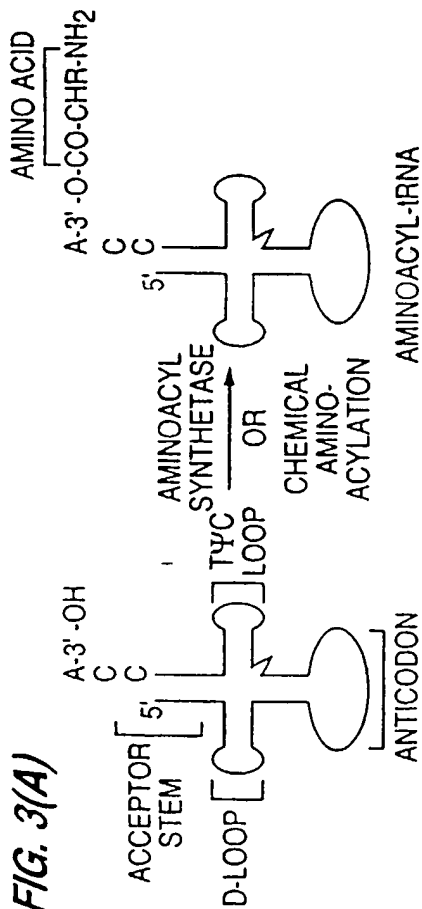


FIG. 3(B)

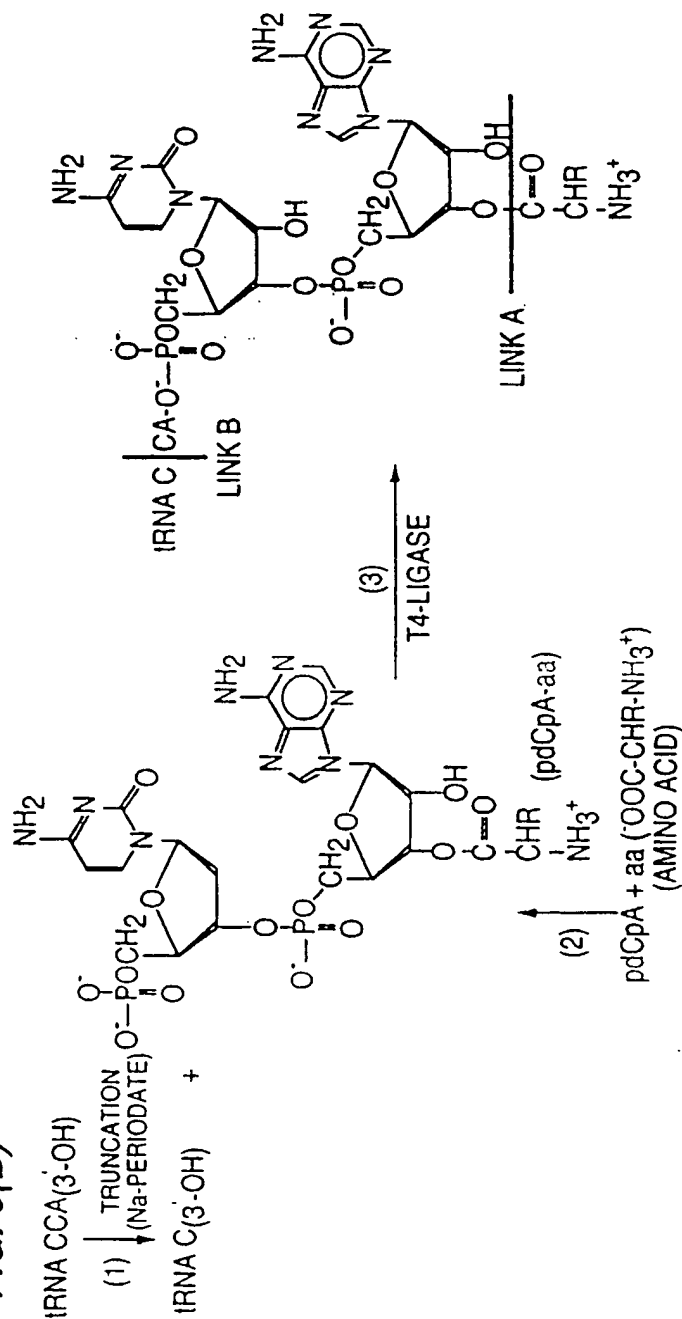
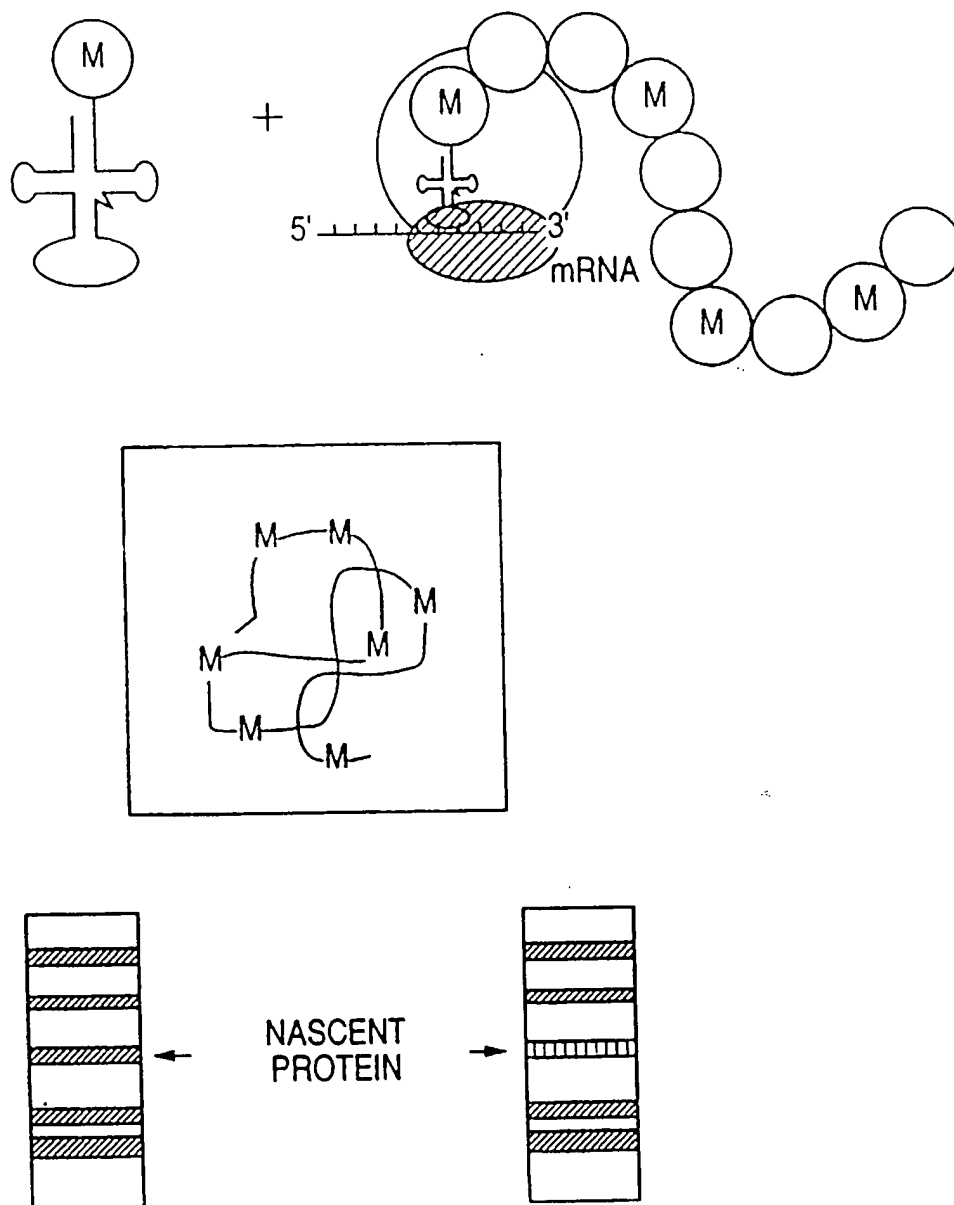


FIG. 4



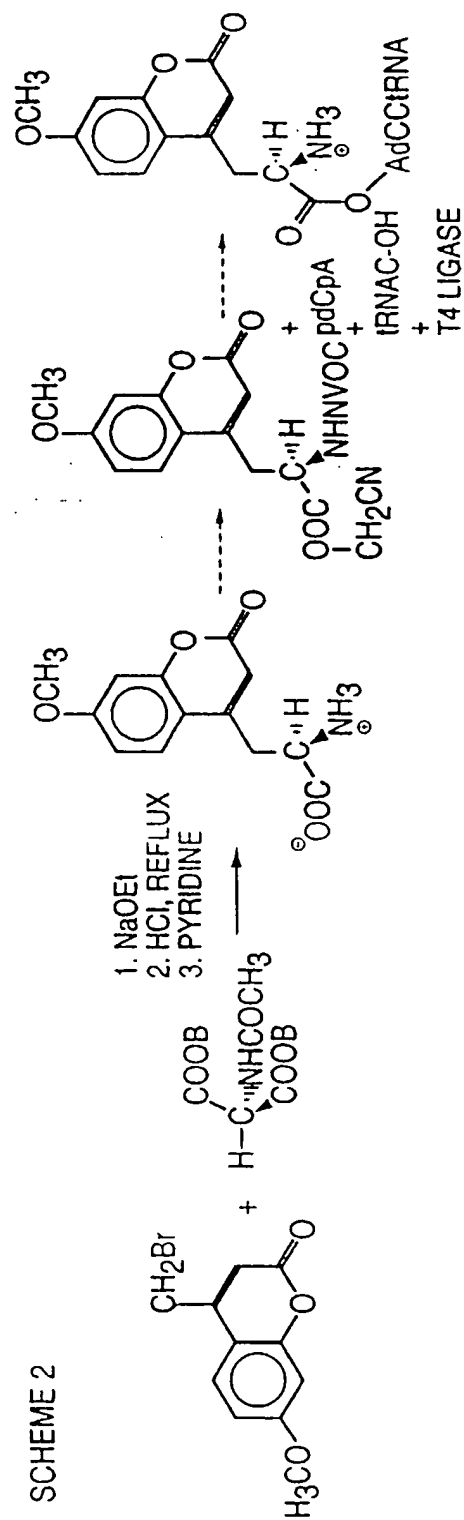
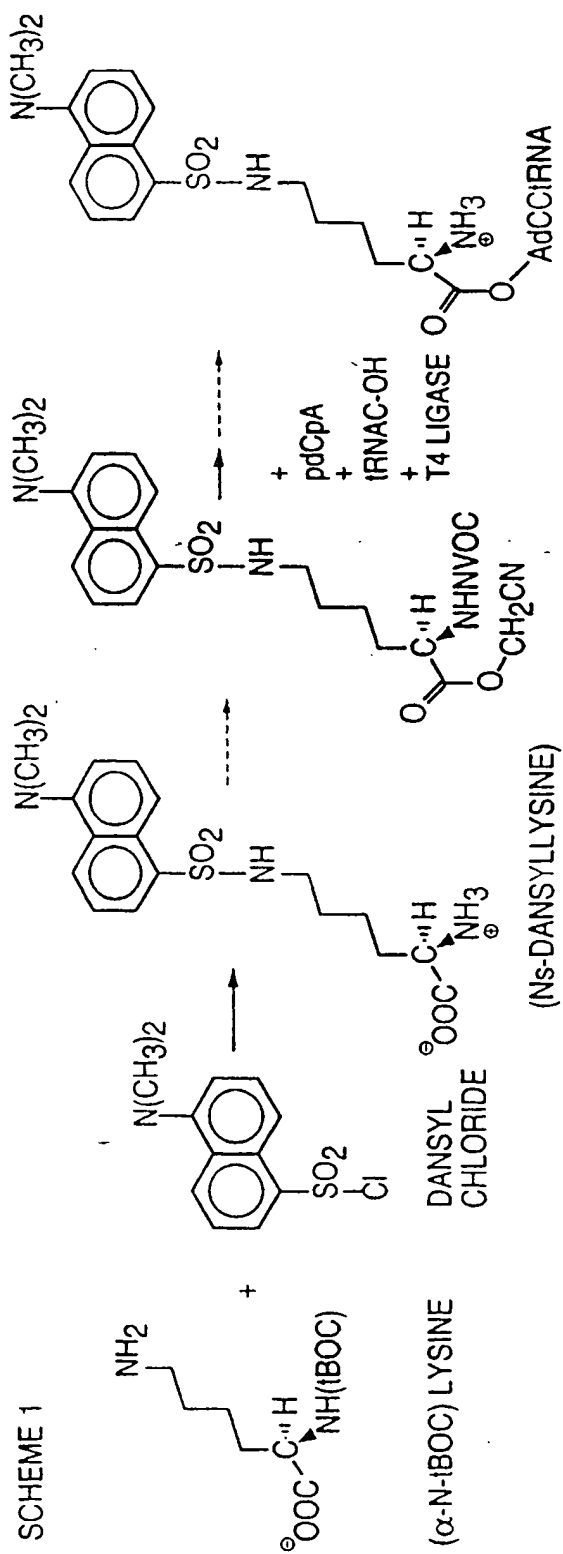


FIG. 5

FIG. 6(A)

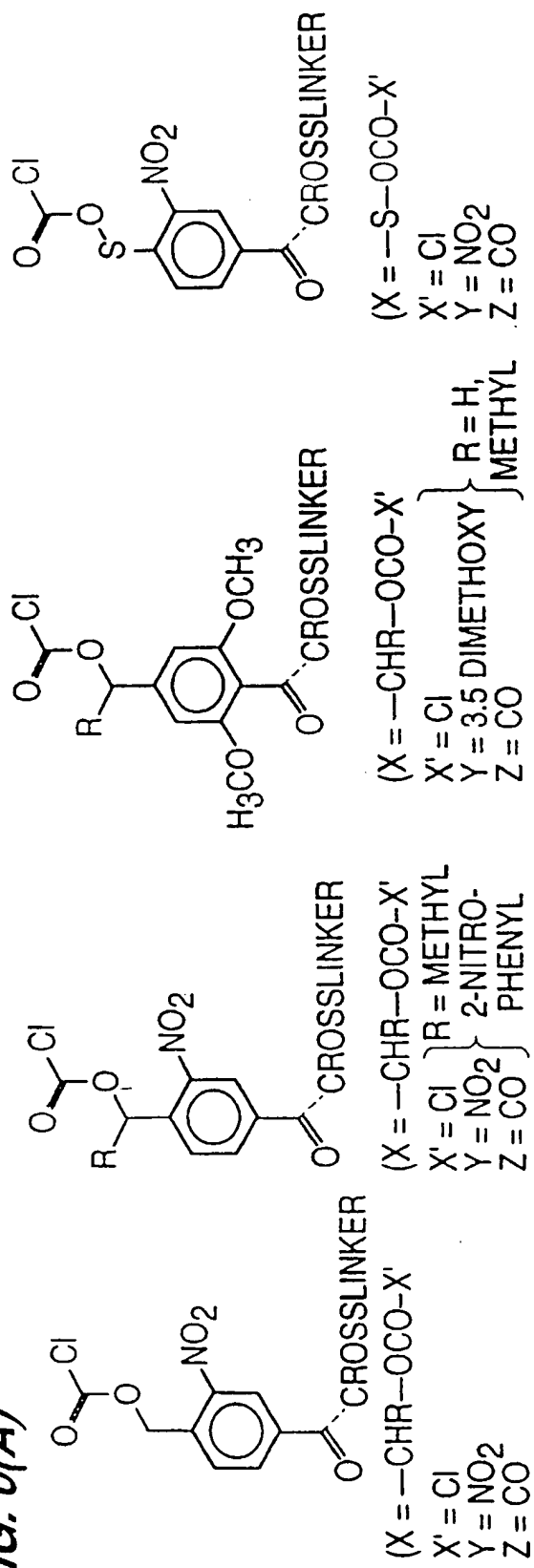
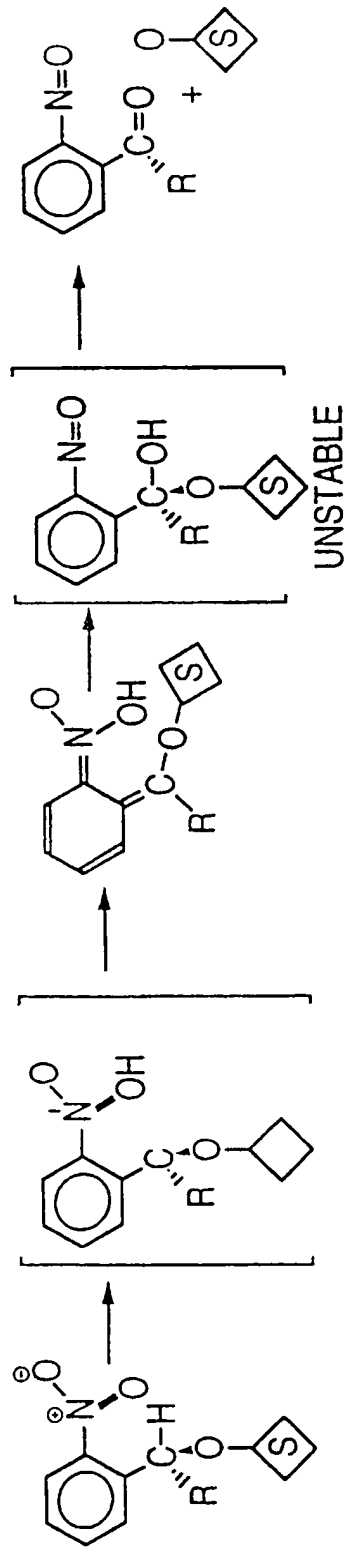


FIG. 6(B)



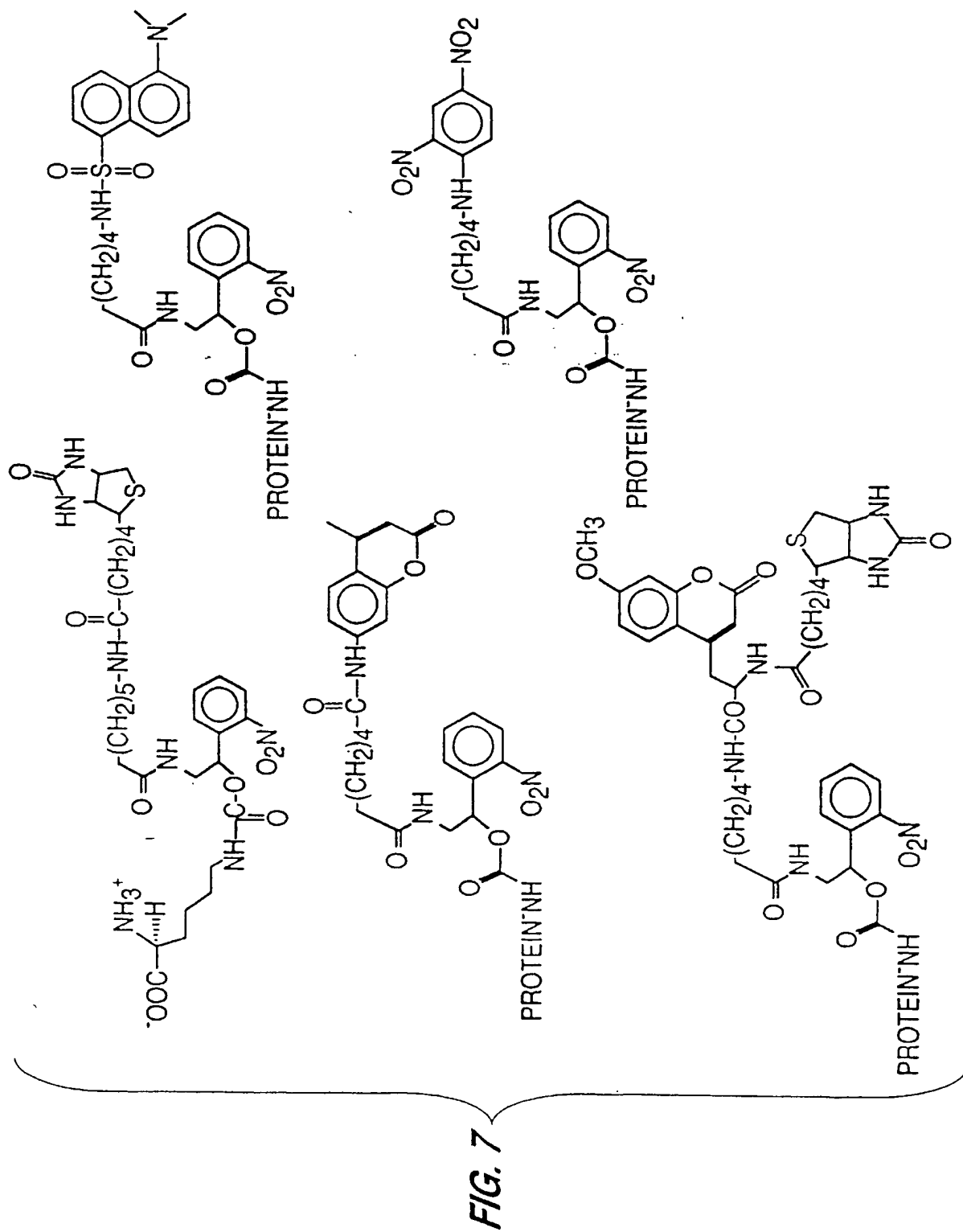


FIG. 8(A)

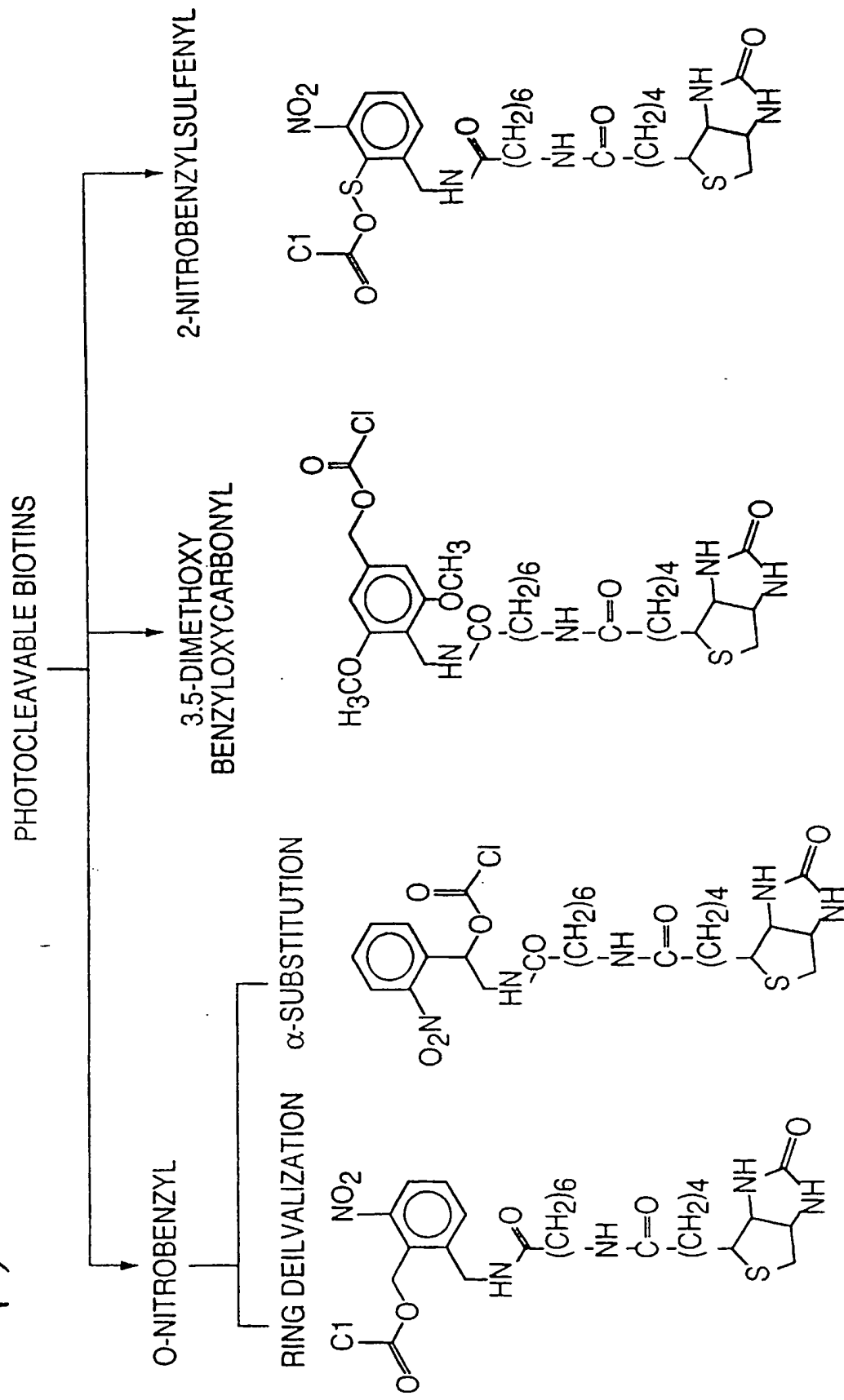


FIG. 8(B)

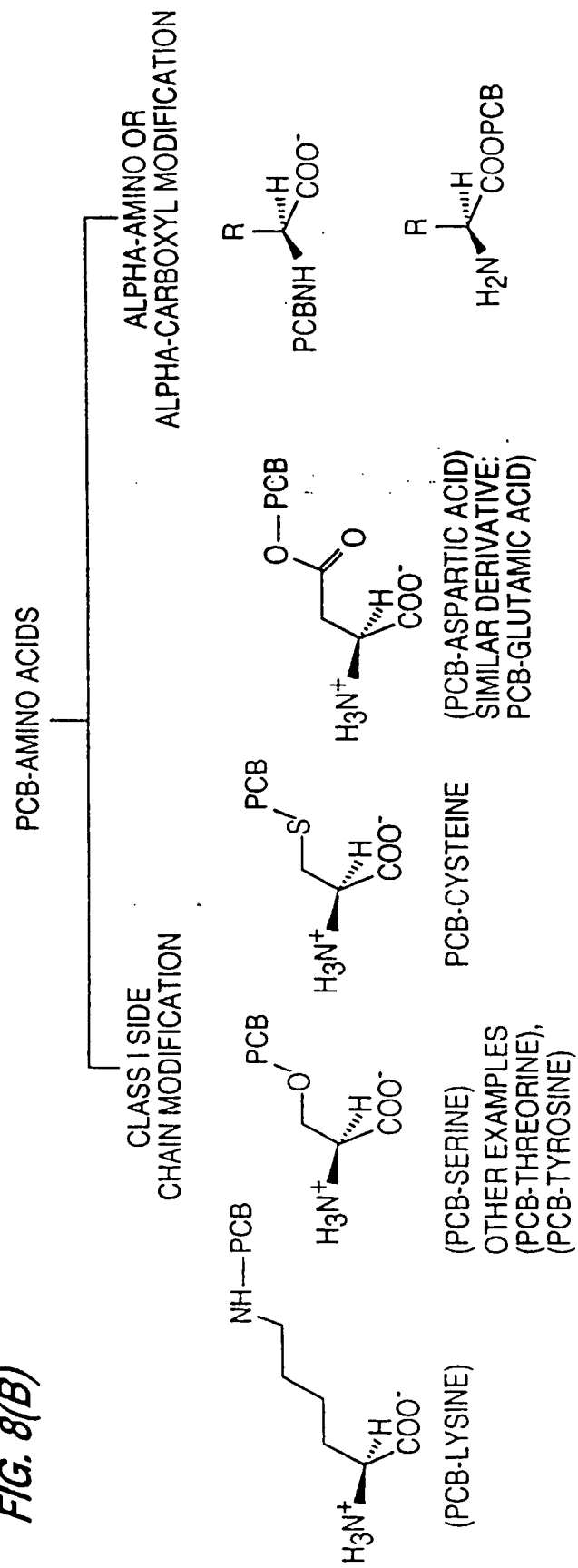
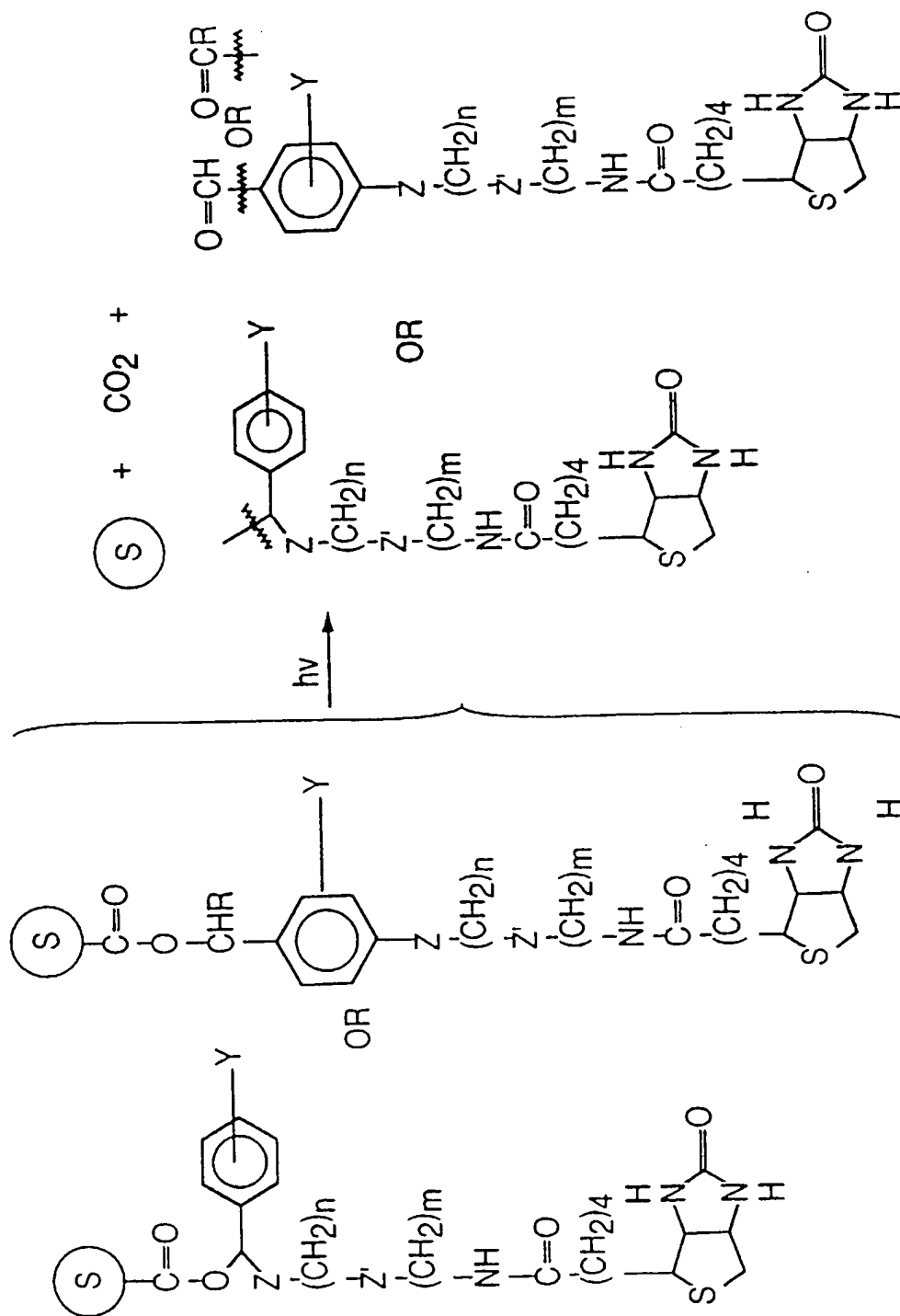
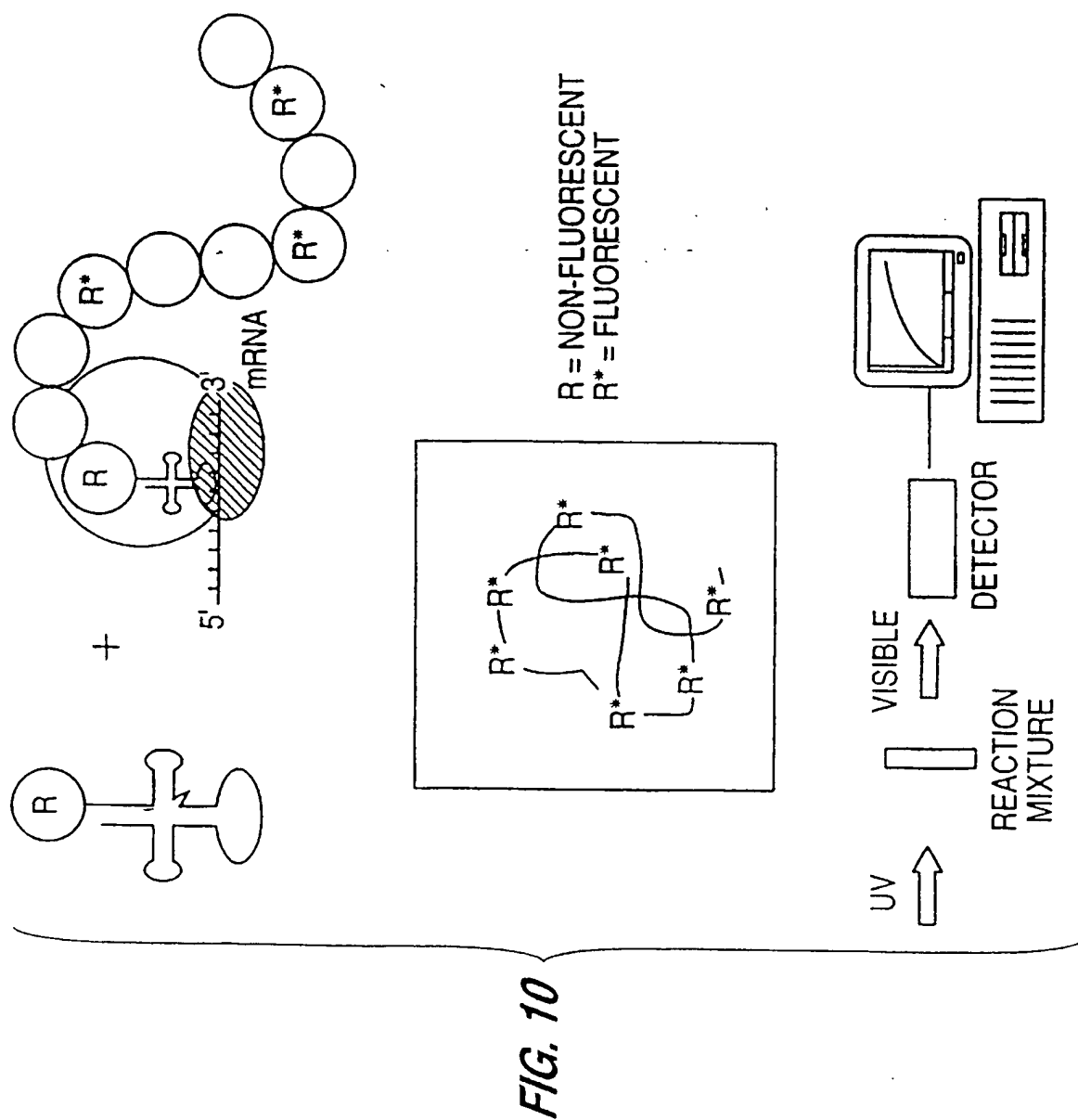


FIG. 9





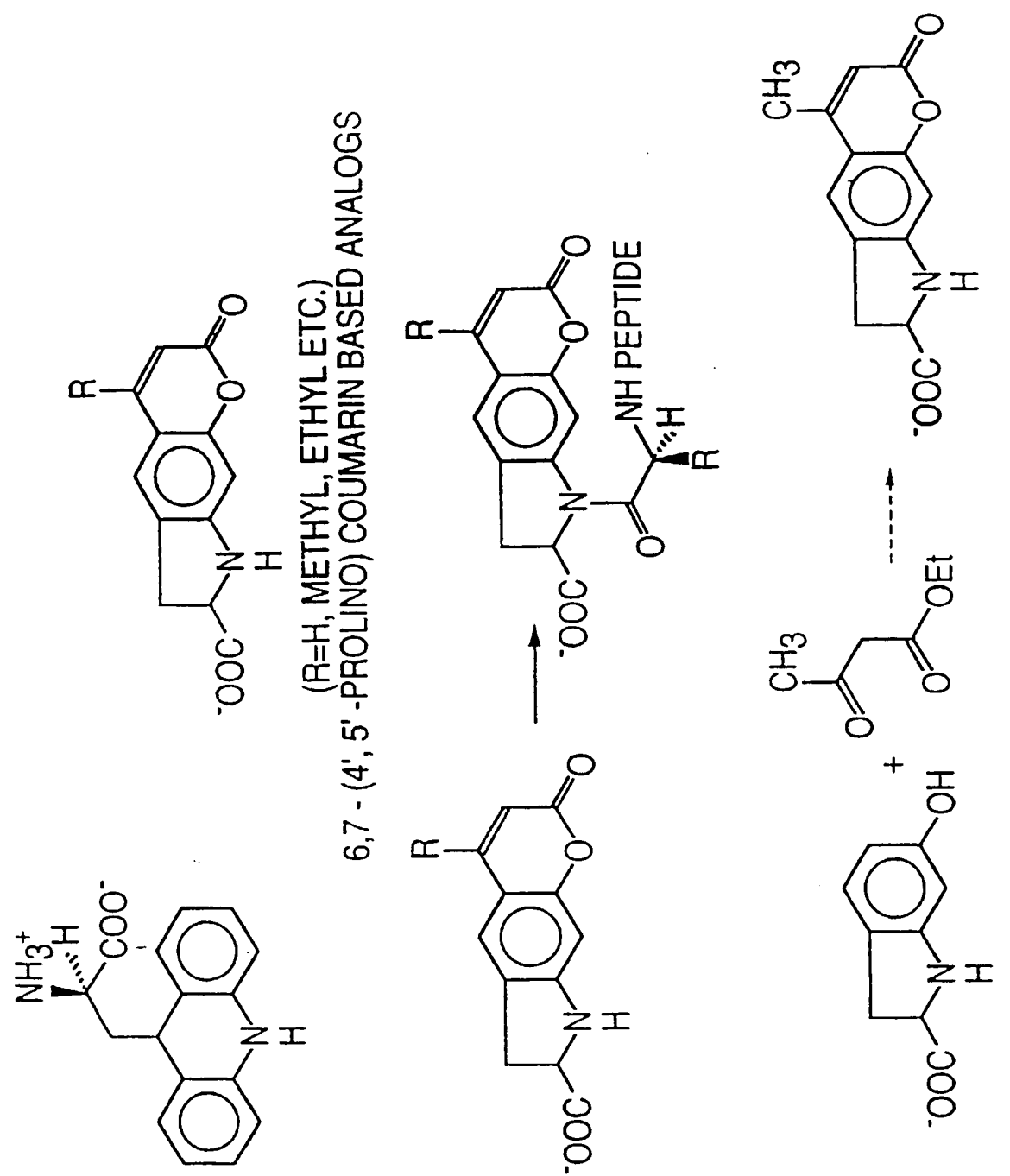
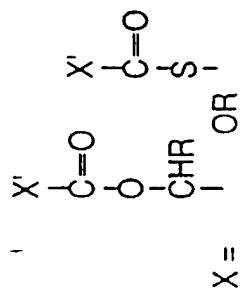


FIG. 11

FIG. 12

$X' = \text{Cl, O-NHYDROXYSUCCINIMIDYL, O-CH}_2\text{CN, OPf}_5, \text{OPfCl}_5, \text{N}_3 \text{ ETC. (REACTIVE DERIVATIVE)}$
 $R = \text{H, ALKYL, SUBSTITUTED ALKYL, ARYL, SUBSTITUTED ARYL}$



X =

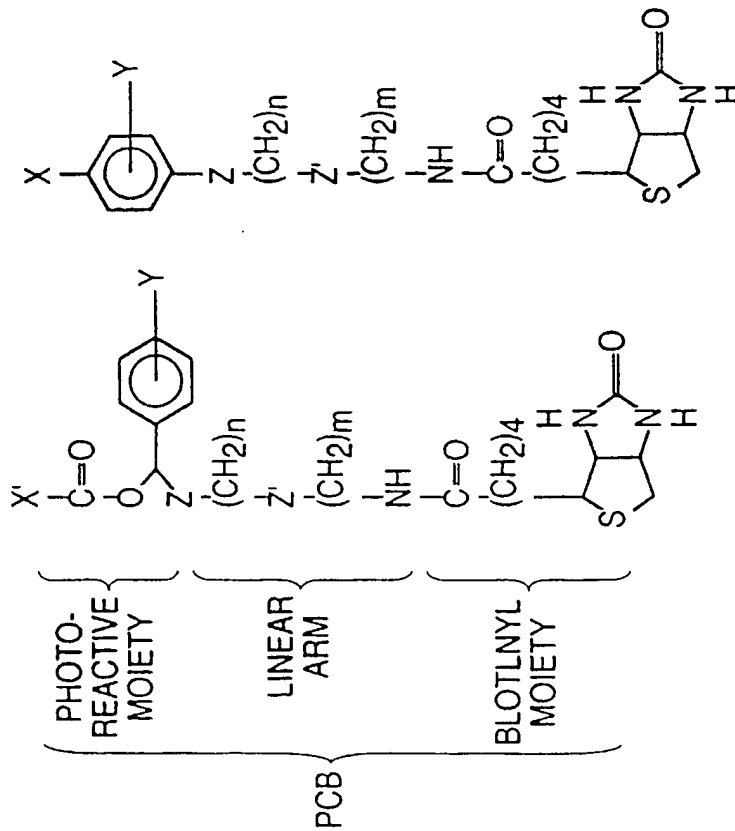
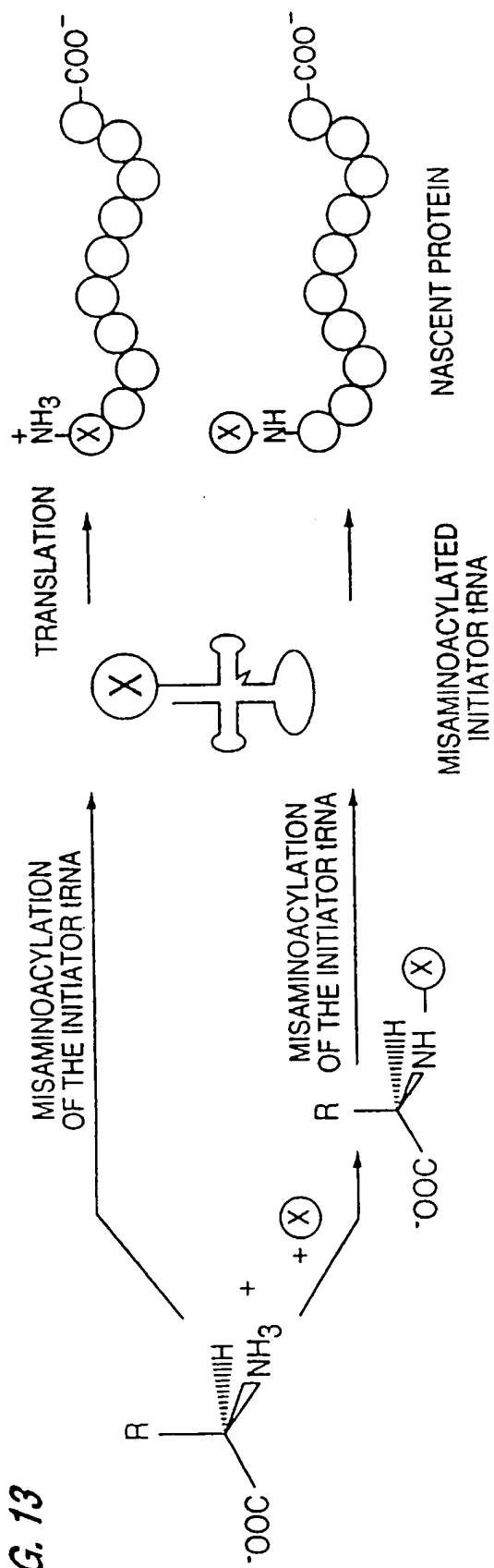


FIG. 13



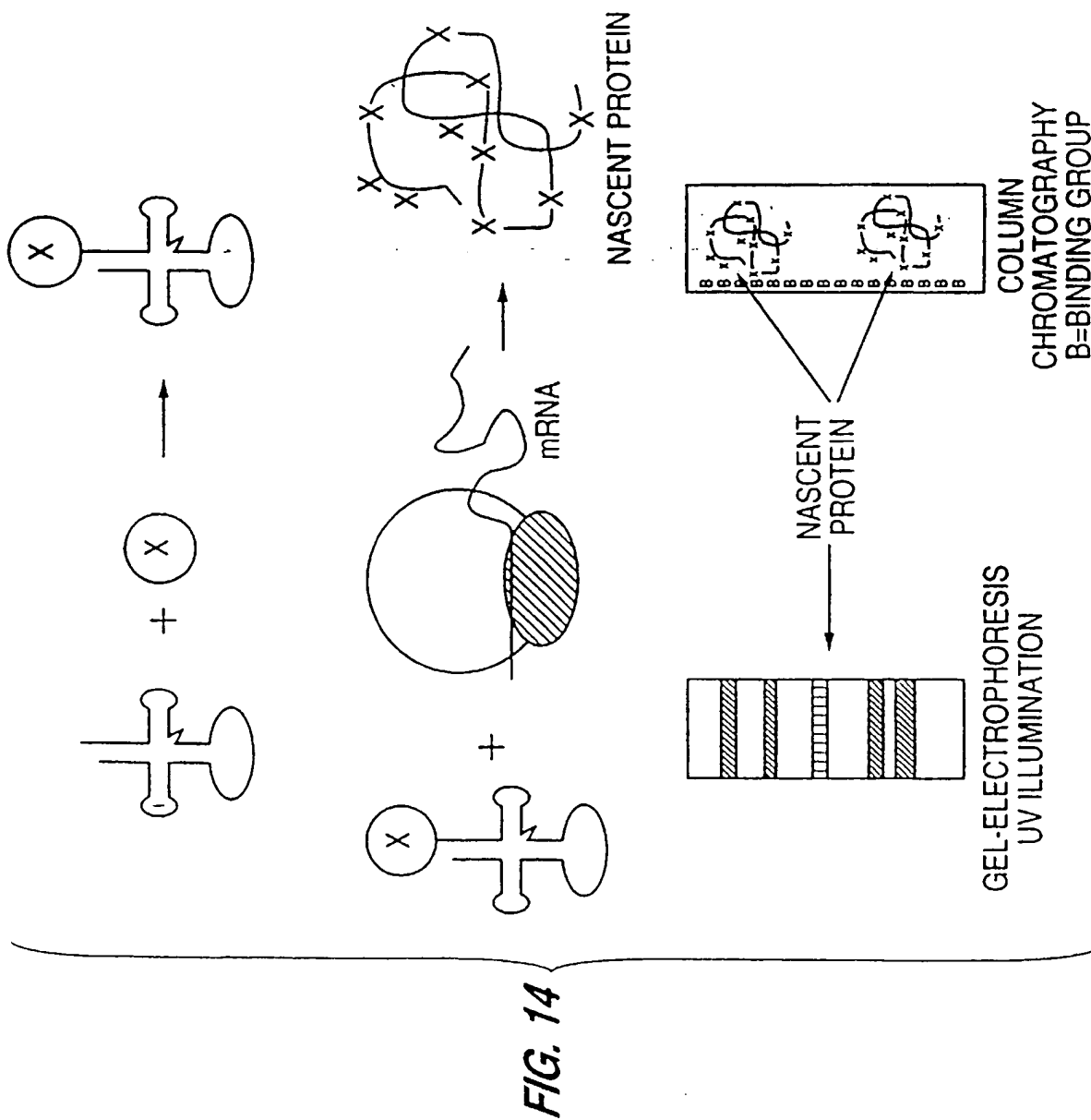
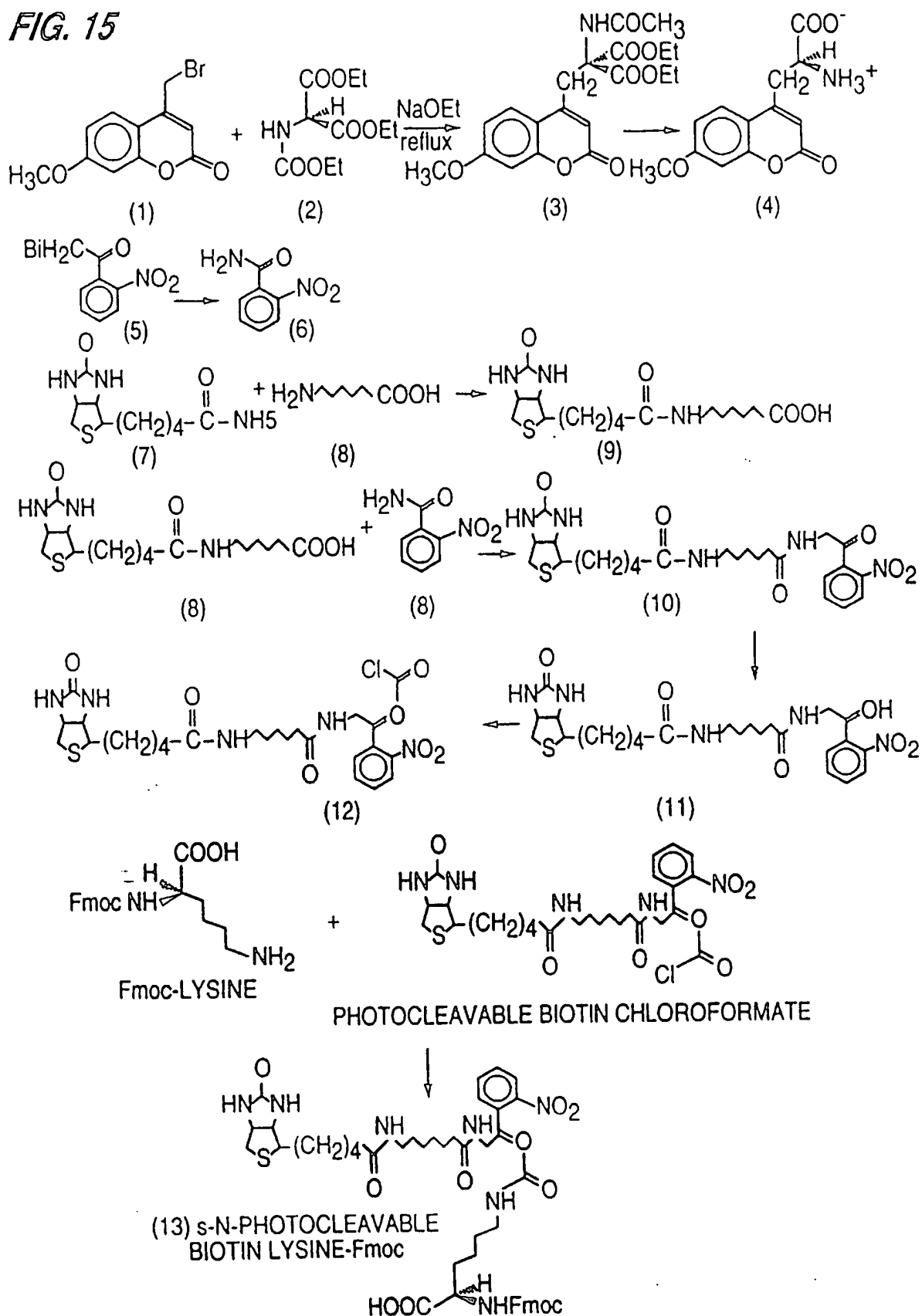


FIG. 15



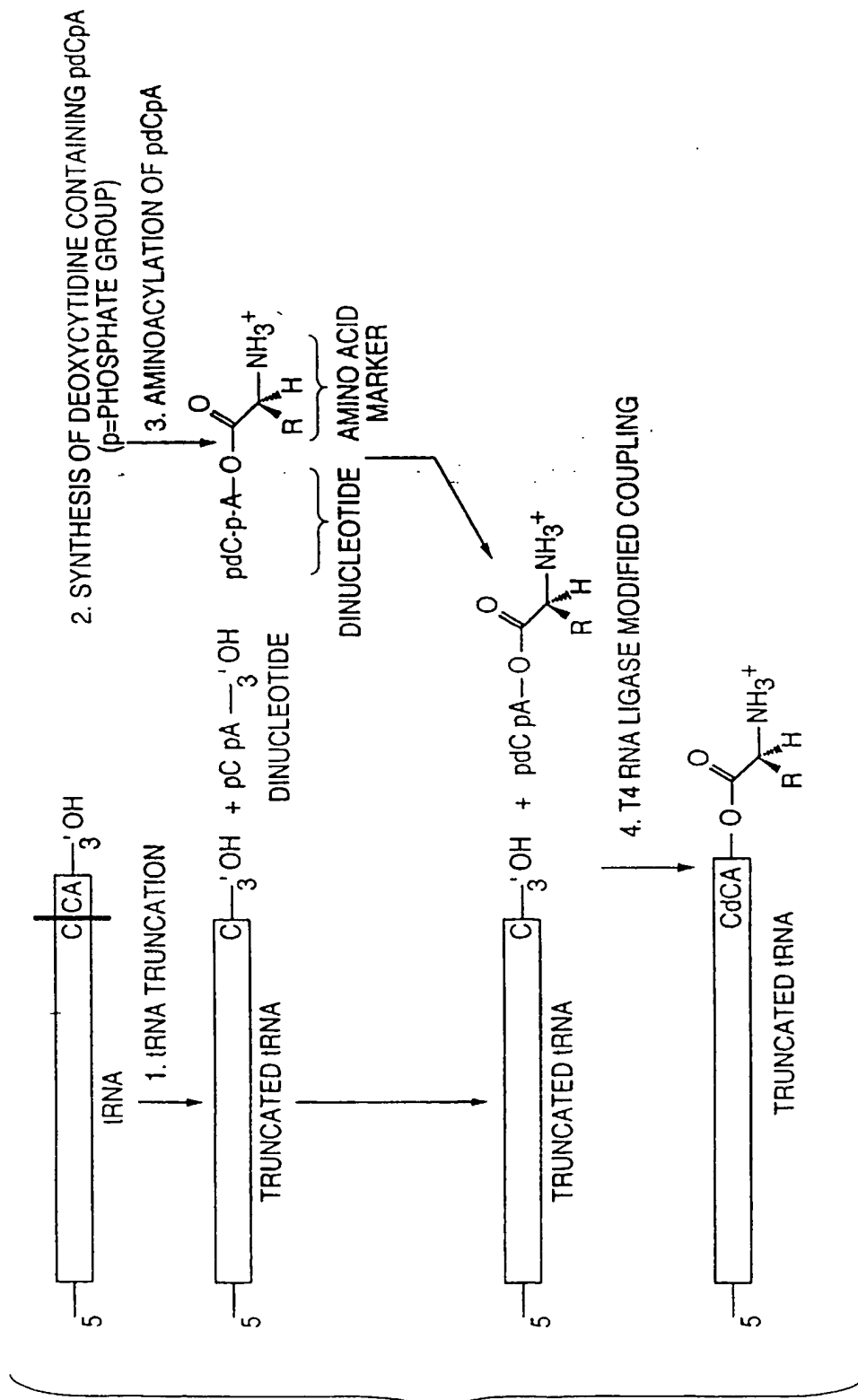


FIG. 16

FIG. 17

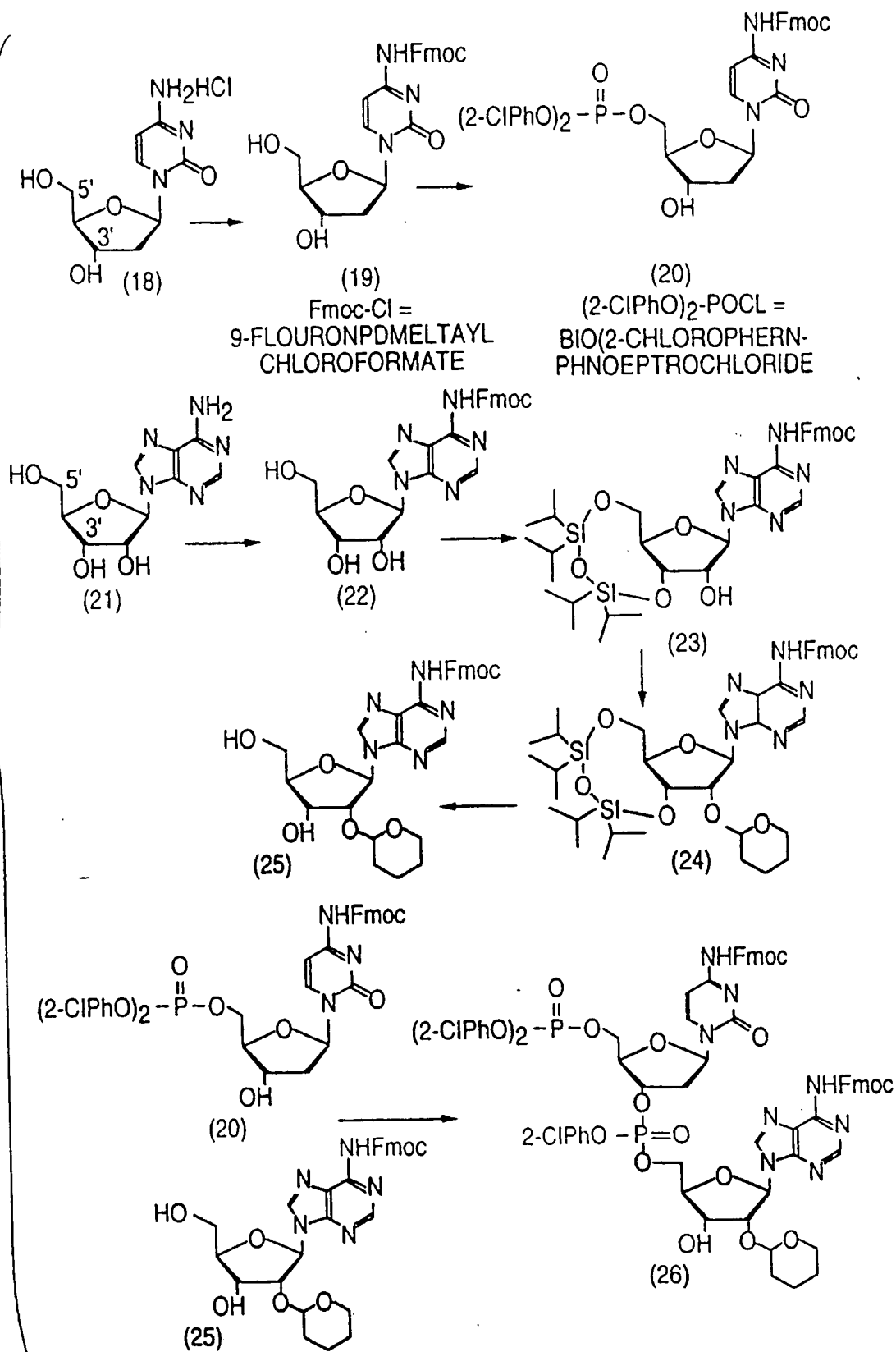
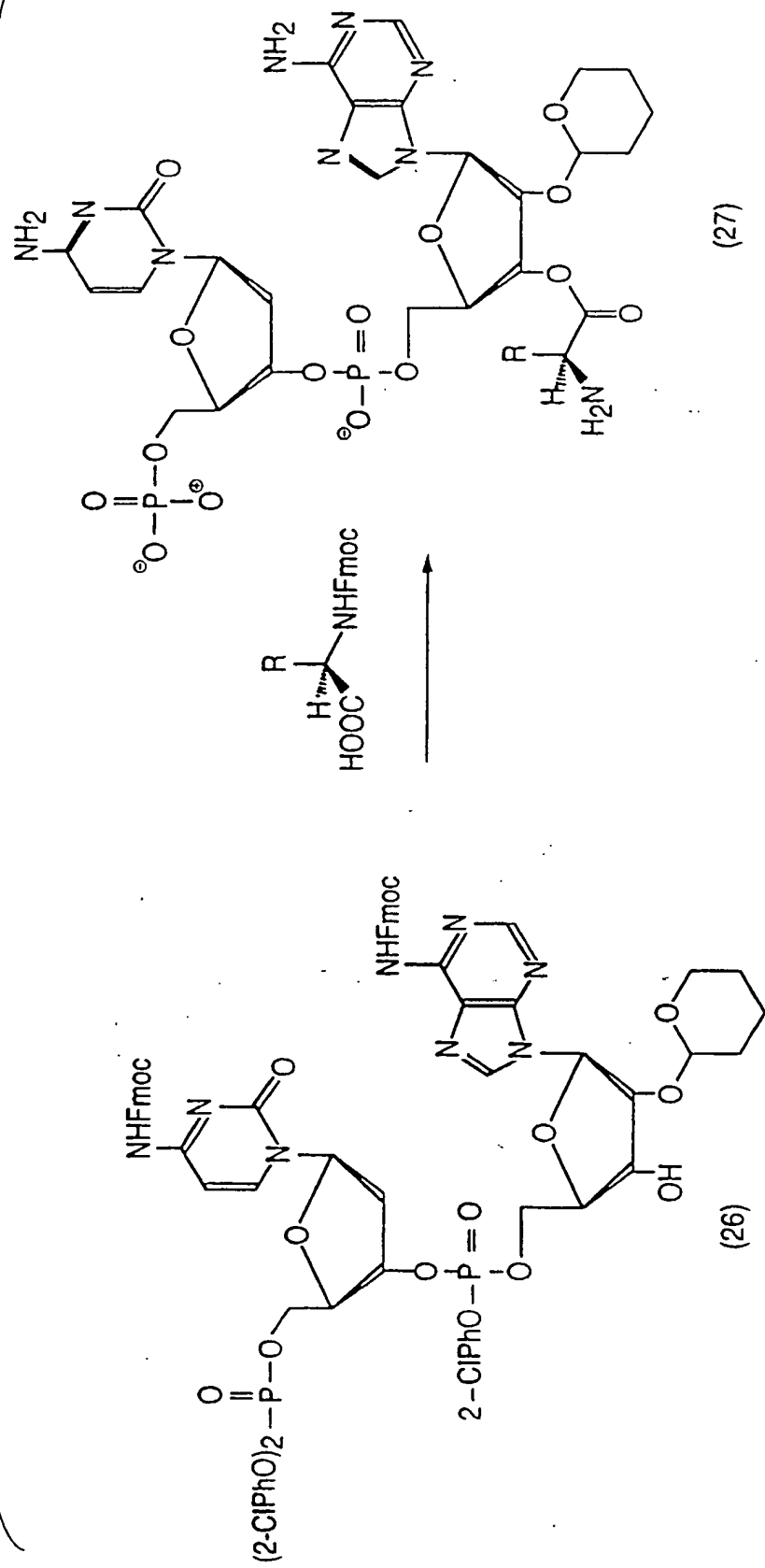


FIG. 18



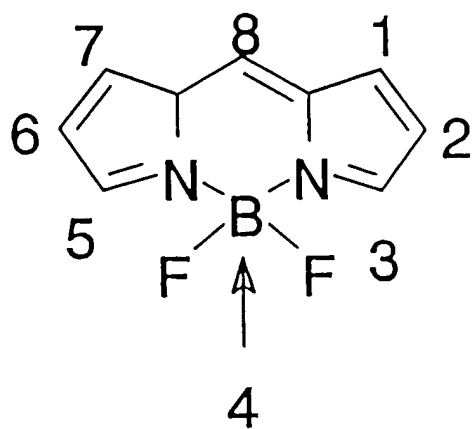
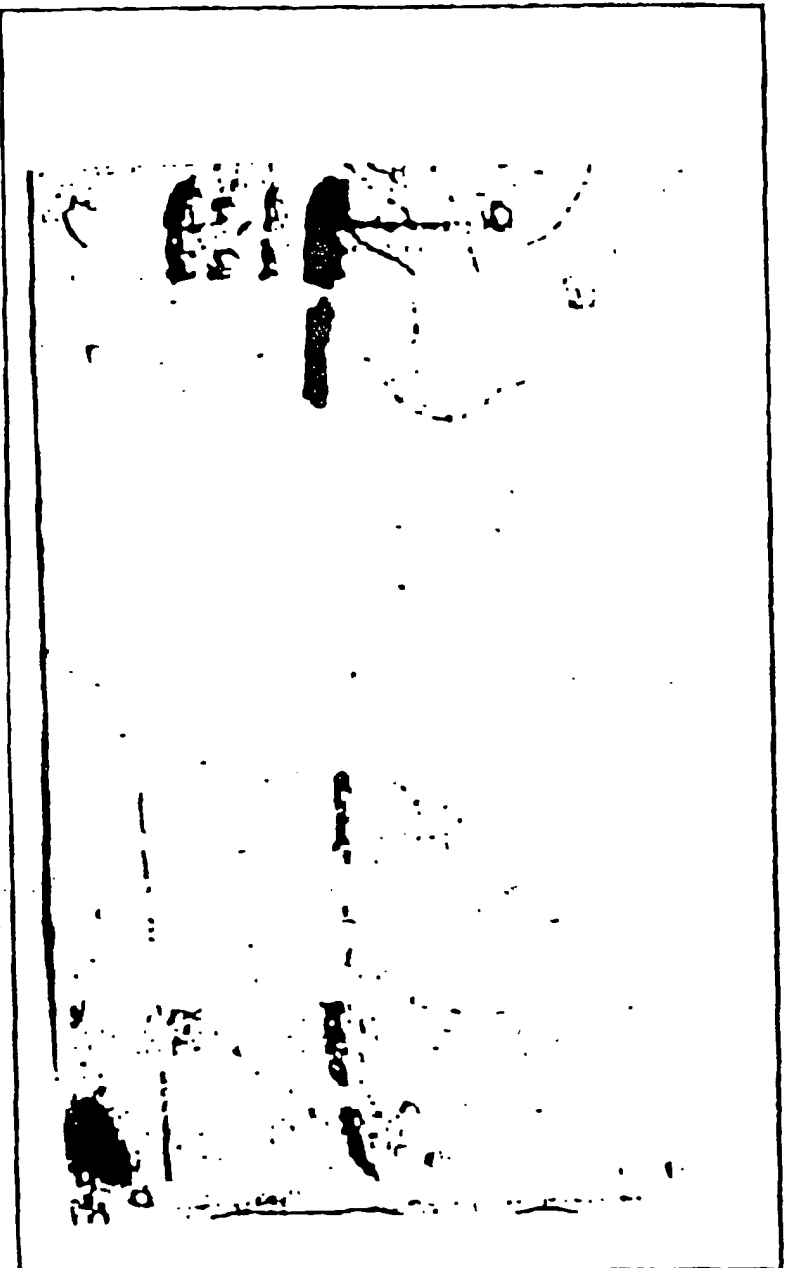
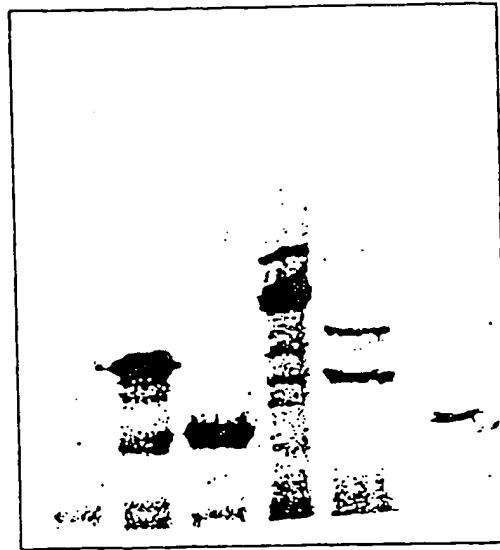


Figure 19



1 2 3 4 5 6 7 8 9 10

Figure 20



Lane 1 2 3 4 5 6

Figure 21A

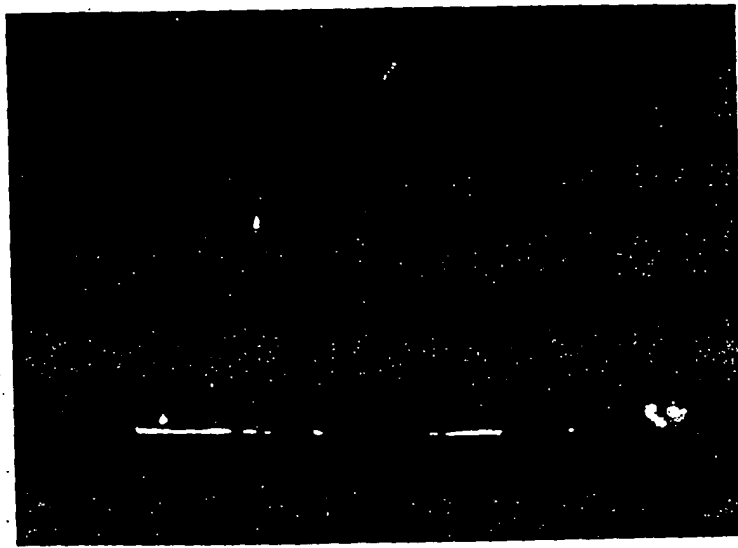


Figure 21B

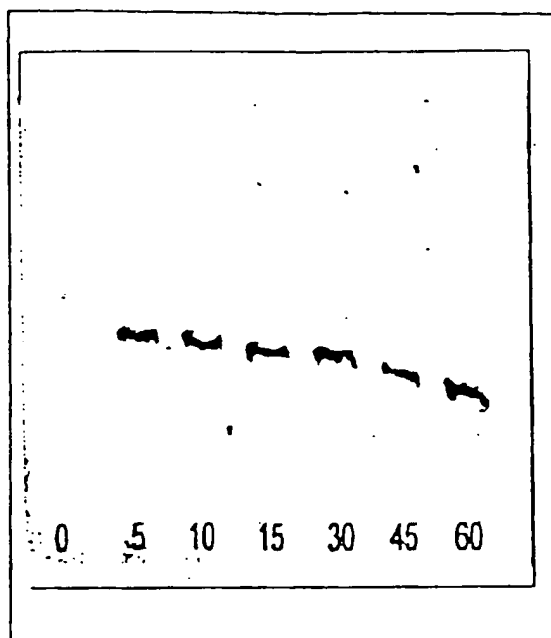


Figure 22A

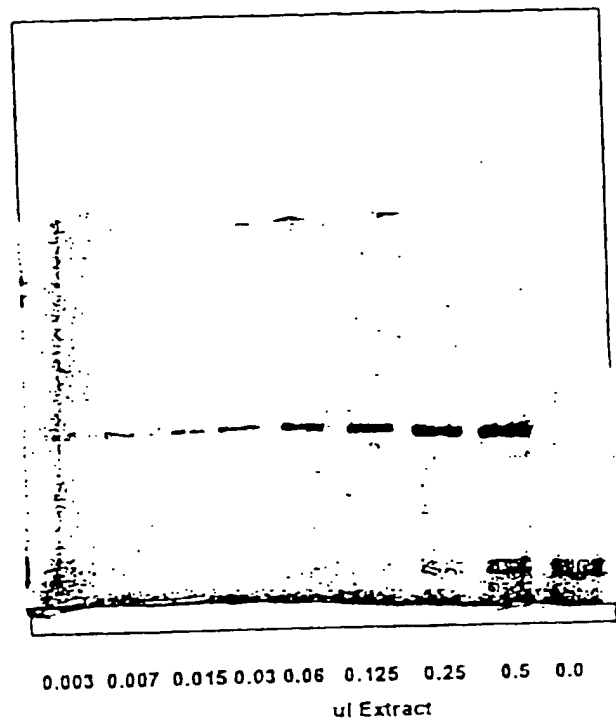


Figure 22B

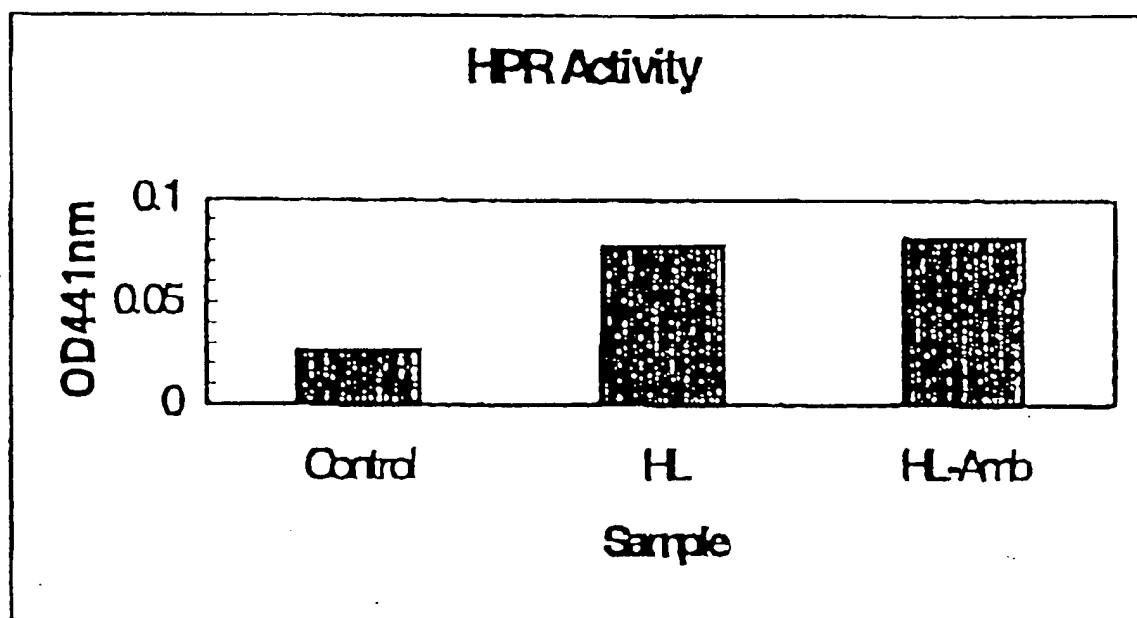


Figure 23A

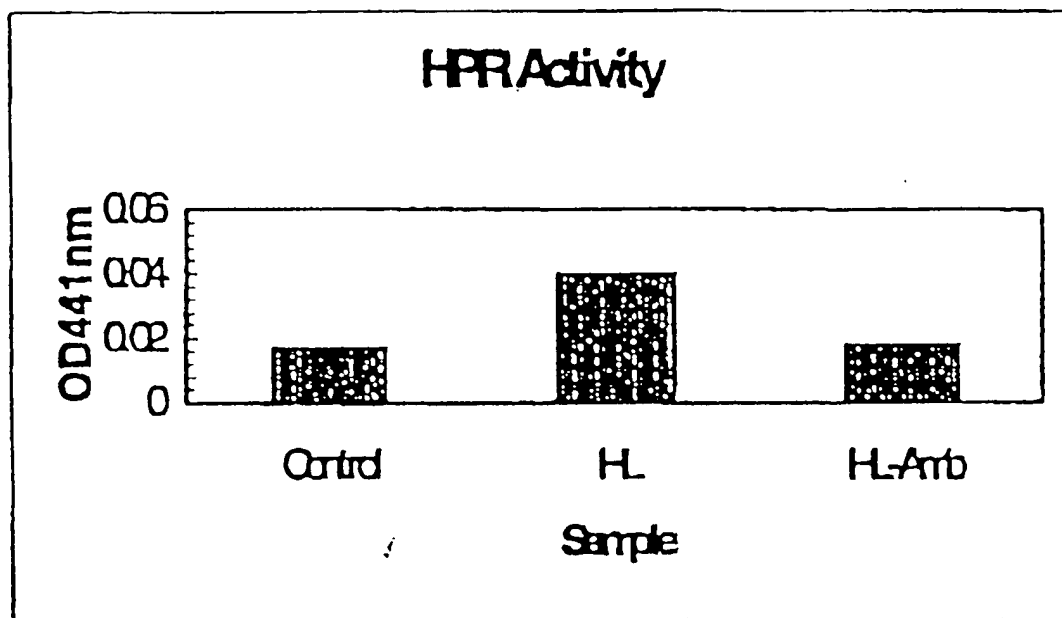
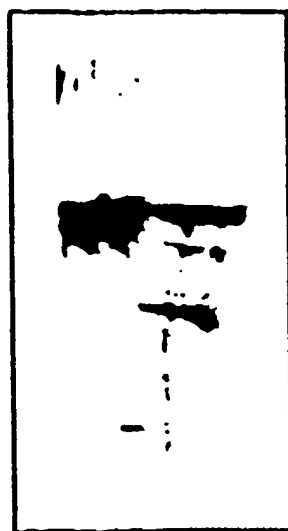


Figure 23B



1 2

Figure 24

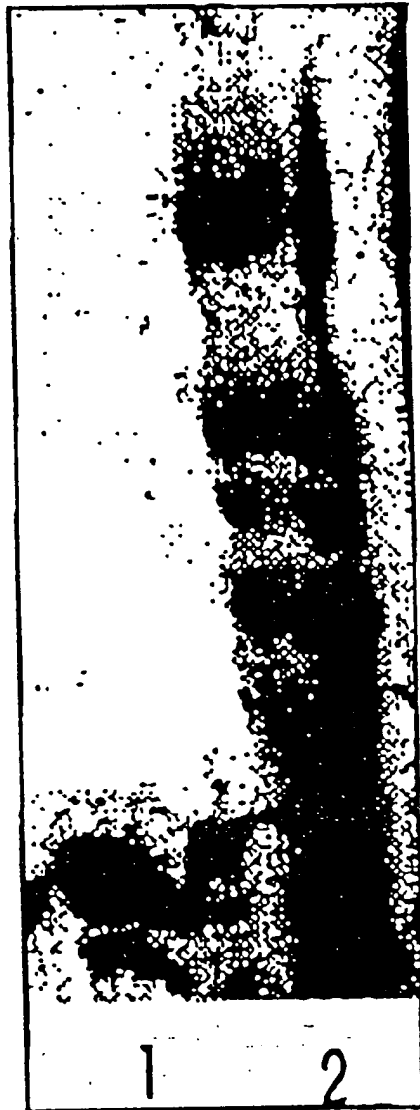


Figure 25

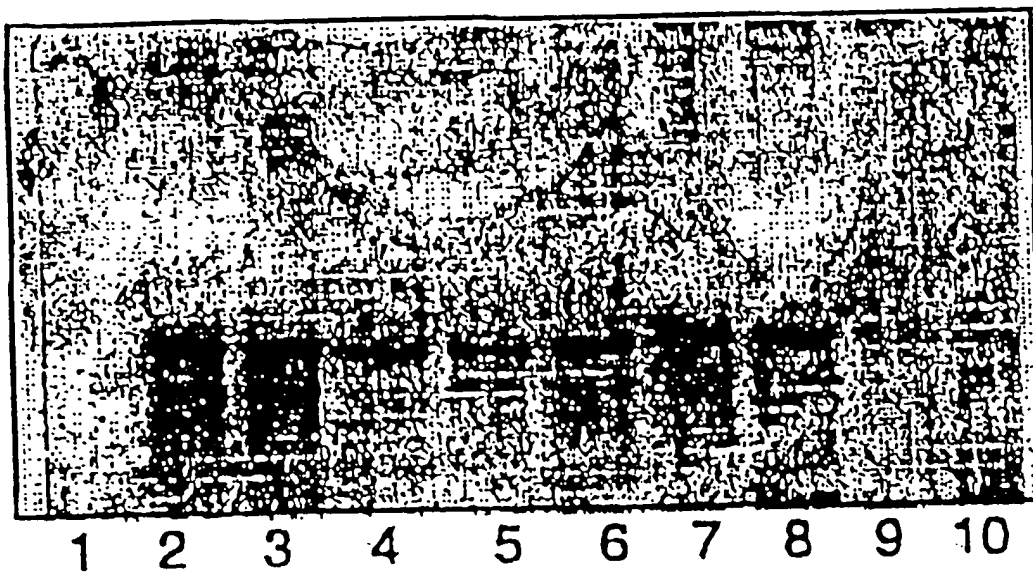


Figure 26A

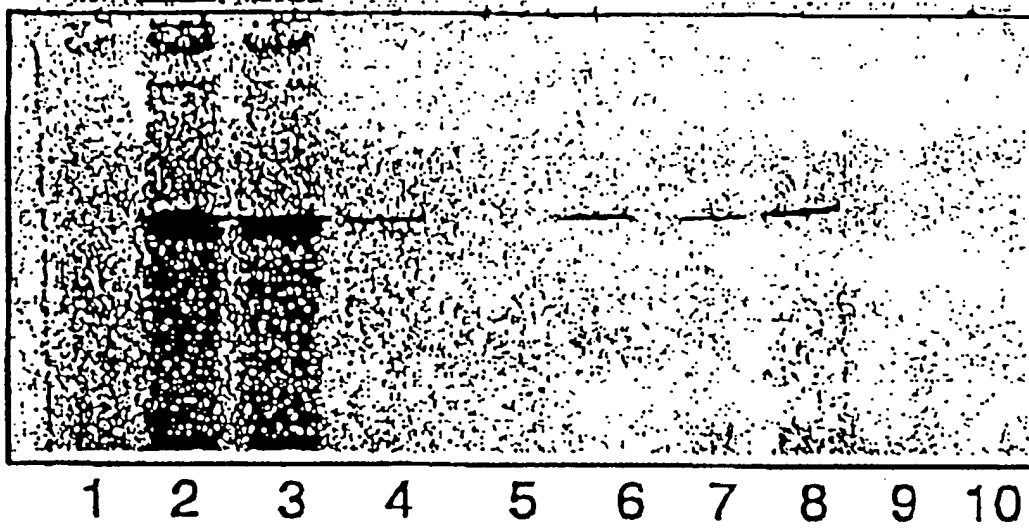


Figure 26B

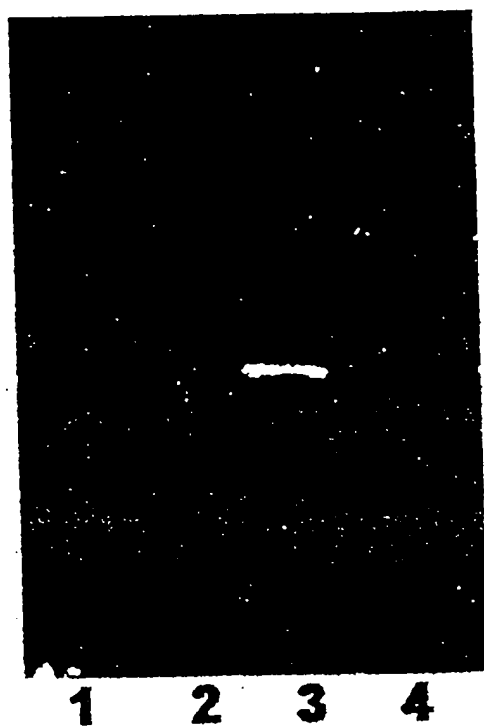


Figure 27



Figure 28A

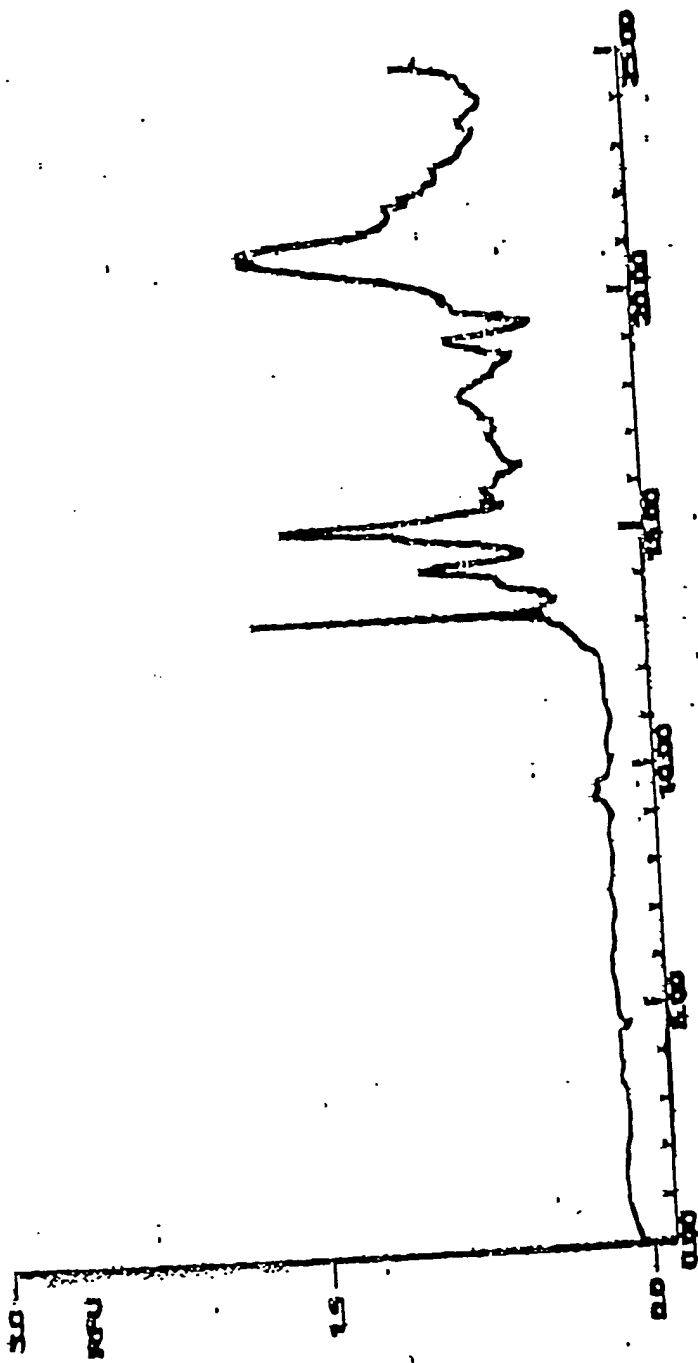


Figure 28B

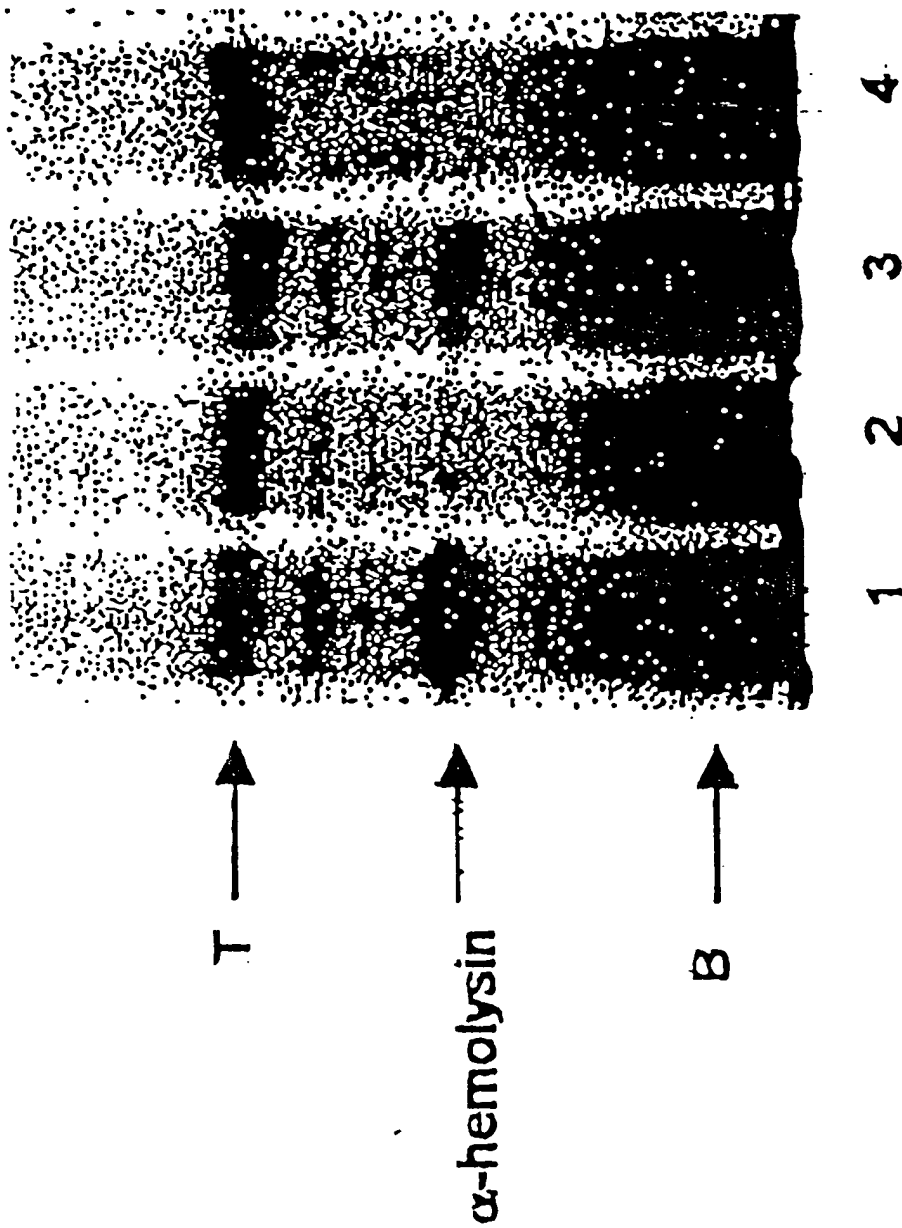


Figure 29